

r ARMS	MSVLISQSVINYVEEENIPALKALLEKCKDVDERNECGQTPMLLAAEQGNVEIVKELLKNGANCNLEDLD	70
h ARMS	I L I	70
r ARMS	NWTALISASKEGHIHIVEELLKSGASLEHRDMGGWTALMWACYKGRTDVVELLLSHGANPSVTGLQYSVY	140
h ARMS	V C VN	140
r ARMS	PITWAAGRGHADIVHLLLQNGAKVNCSDKYGTTPLVWAARKGHECVKHLLANGADVQEGANSMTALIV	210
h ARMS		210
r ARMS	AVKGGYTQSVKEILKRNPVNLTDKDGNTALMIASKEGHIEIVQDLLDAGTYVNIIPDRSGDVLIGAVRG	280
h ARMS	T	280
r ARMS	GHVEIVRALLQKYADIDIRGQDNKTALYWAVEKGNATMVRDILQCNPDTEICTKDGETPLIKATKMRNIE	350
h ARMS		350
r ARMS	VVELLLDKGAKVSAVDKKGDTPLHVAIIRGRSRLAELLRNPKDGRLLYRPNKAGETPYNIDCSHQKSIL	420
h ARMS	I K	420
r ARMS	TQIFGARHLSPTETDGMGLGYDLYSSALADILSEPTMQPPICVGLYAQWGSKSFLLKKLEDEMKTFAQG	490
h ARMS		490
r ARMS	QTEPIFQFSWLIVFLTLCCGGLGLVFAPVDTNLAIATLSLFLALYIFFIVYFGRREGESWNWAWA	560
h ARMS	I L T HP G V L V	560
r ARMS	LSTRLARHIGYLELLFKLMFVNPPPEQTTKALPVRFLFTDYNRLSSVGGETSLAEMIATLSDACEREF	630
h ARMS	L	630
r ARMS	GFLATRLFRVFRTEESQGGKKWKKTCCLPSFVIFLFIVGCIAGITLLADFRVDPKHLTVNAILISIASV	700
h ARMS	K DT I S V	700
r ARMS	VGLAFVLNCRTWQVLDSSLNSQRKRLHSAASKHLKLKSEGFMKVLKCEVELMARMAKTIDSFTQNQTRL	770
h ARMS	N	770
r ARMS	VVIIDGLDACEQDKVLQMLDTRVRLFSKGPFAIFASDPHIIKAINQNLNSVLRDSNINGHDYMRNIVH	840
h ARMS		840
r ARMS	LPVFLNSRGLSNARKFLVTSATNGDITCSDDTGTQEDTDRRVSONSLGEMTKLGSKTALNRRDITYRRRQM	910
h ARMS	VP I A	910
r ARMS	QRTITRQMSFDLTKLLVTEDWFSDISPQTMRRLLNIVSVTGRLLRANQITFNWDRLASWINLTEQWPYRT	980
h ARMS	S	980
r ARMS	SWLILYLEETEGLPDQMTLTKMYERISKNIPTTKDVEPLLEIDGDIRNFEVFLSSRTPVLVARDVKTFPLP	1050
h ARMS	I I V	1050
r ARMS	CTVNLDPKLREIIADVRAAREQINIGGLAYPPLPLHEGPPRPPSGYSQPASVCSSASFNGPPGGVVSPQ	1120
h ARMS	S A P T A	1120
r ARMS	PHSSYYSGLSGPQHFPYNRAAVPATGSSLLSSMTVDVVCCKLRQIEGLDQNMPPQYCTTIKKANINGRV	1190
h ARMS	MT GSG P PVV N LN A K S L	1190
r ARMS	LSQCNIDELKKEAMNFGDWHLFRSMVLEMRSVESQVVPEDPRFLNENSSAPVPHGESARRSSHTELPLT	1260
h ARMS	A N T NA H S S G A P A N H	1260
r ARMS	ELSSQTPYTLNFSFEELNTLGLDEGAPRHSNLSWSQSTRTPSLSSLNSQDSSIEISKLTDKVQAEYRDA	1330
h ARMS		1330
r ARMS	YREYIAQMSQLEGGTGSSTISGRSSPHSTYYIGQSSSGGSIHSTLEQERGKEGELKQEDGRKSFLMKRGD	1400
h ARMS	P T M N K DS P PD	1400
r ARMS	VIDYSSSGVSTNEASPLDPITEEDEKSDQSGSKLLPGKKSSERPSLFQTDLKLKGGGLRYQKLPSDEDES	1470
h ARMS	D S S	1470
r ARMS	GTGRVQITPHCSKMIRTKRLKAKQRECAPQEHSAEPIRTFIKAKEYLSDALLDKXDSSDSGVRSSNESSP	1540
h ARMS	EESDN LLKDDKDR AEGKVE VPK S	1539
r ARMS	NHSLHNEAADDQSLEKANLIELEDEGHSGKRGMPHSLSGLDPIIARMSICSEDKKSPECSLIASSPEE	1610
h ARMS	V DS I	1609
r ARMS	SWPACQKAYNLNRTPTSTVTLNNTAPTNRANQNFDEIEGIRETSQVILRPGPSPNPTAVQENENLKSMHAK	1680
h ARMS	N S A M SS TI T	1679
r ARMS	RSQRSSYTRLSKDASELHAASS-ESTGFGEERESIL	1715
h ARMS	PP A S *** 1715	

FIG. 2

1. Amino terminus

rARMS	354	LLLDKGAKVSAVDKKGDTPLHVAIRGRSRRLAEALLRNPKDGRLLYRPNKAGETPYNIDCSHQKSILTQI	
hARMS	354	LLLDKGAKVSAVDKKGDTPLHVAIRGRSRRLAEALLRNPKDGRLLYRPNKAGETPYNIDCSHQKSILTQI	
dARMS	376	LLDRKAKVTASDKRGDTCLHIAMRARSKTIVEALLRNPKHSQLLYRANKAGETPYNIDSLHQKTILGQV	
WARMS	343	YLMSFGAKLAAVDNCGDNALHLARSRRLTQALLSNPDSRLLYRPNKLGQTPYSIDLSNPQPILPLI	
		*.: *	
rARMS		FGARHLSPTETDGMGLGYDYSSALADILSEPTMQPPICVGLYAQWGSFGSFLKKLEDEMKTFFAGQQTE	493
hARMS		FGARHLSPTETDGMGLGYDYSSALADILSEPTMQPPICVGLYAQWGSFGSFLKKLEDEMKTFFAGQQIE	493
dARMS		FGARLNTNEDSEGMLGYELYSSALADVLSEPTLTTPITVGLYAKWGSFGSFLNKLREDEMNNFARQWAE	515
WARMS		FGP--IDAEDKMDTAMGYDVYSNVLADIVCEPSLSPLTIGLYAKWGSFGSALLAKLKEAMHSFSRDWLD	480
		*.: *	

2. Loop between TM2 and TM3

rARMS	573	ELLFKLMFVNPPPELPEQTTKALPVRFLFTDYNRLSSVGGETSLAEMIATLSDACEREFGLATRLF	638
hARMS	573	ELLFKLMFVNPPPELPEQTTKALPVRFLFTDYNRLSSVGGETSLAEMIATLSDACEREFGLATRLF	638
dARMS	594	RLILQVAFCHPP-GPQSDSQAKPVRFHFAEANSASPTG-DGAVAHMLAALLDAIESHYGWLATRLY	657
WARMS	565	RLVYNILTLHAP-MNSEDASMPVSFLFADYHRLSSIGGEQALAKIVATLFEAAETHFGVLPVRLF	629
		*.: *	

3. Carboxy tail

rARMS	749	EVELMARMAKTIDSFTQNTQLRVVVIDGLDACEQDKVLQMLDTRVRLFSK---GPFAIFASDPHIIIIKA	
hARMS	749	EVELMARMAKTIDSFTQNTQLRVVVIDGLDACEQDKVLQMLDTRVRLFSK---GPFAIFASDPHIIIIKA	
dARMS	740	EVAVMTDMVKCLDAFTNQSRVLGVVIDALDSCDTERILTLLNAVQTLSS-PNRPVLLISVDPHVIAKA	
WARMS	769	EVDDLADMIRSLDAFTRSHTRLVVVDGLDNCEQERMVQTLDALELLFSARKHRFFITIIAVDPHIVISA	
		*.: *	
rARMS		INQNLSVLRDSNINNGHDYMRNIVHLPVFLNSRGLSNAR	854
hARMS		INQNLSVLRDSNINNGHDYMRNIVHLPVFLNSRGLSNAR	854
dARMS		AEANSRRLFTTEGGIGGHDFLRNLVHLPVYLQNSGLRKVQ	848
WARMS		INHNMSALSGETELTGHLDYLNII SMPFYLHNSALRQLQ	876
		*.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *	

4. Carboxy tail

rARMS	940	MRRLLNIVSVTGRLLRANQITFNWDRLASWINLTEQWPYRTSWLILYLEETEG--LPDQMTLKTMYERIS	
hARMS	940	MRRLLNIVSVTGRLLRANQISFNWDRLASWINLTEQWPYRTSWLILYLEETEG--IPDQMTLKTMYERIS	
dARMS	980	MRRLLNIVSVTGRLLRANQITFNWDRLASWINLTEQWPYRTSWLILYLEETEG--IPDQMTLKTMYERIS	
WARMS	923	MRRIVNALTLTGRMLRAFEIDFSWMSLGHVWSLLEQWPSRMCWLIDRALEVHN---NQLLLSEVYYQLK	
		*.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *	
rARMS		KNIPPTKDVPELLEIDGDIRNFEVFLSSR---TPVLVARDVKTFPCTVNLDPKLR	1060
hARMS		KNIPPTKDVPELLEIDGDIRNFEVFLSSR---TPVLVARDVKTFPCTVNLDPKLR	1060
dARMS		PKLAYLREAAPLELDRDERKLDAFLQLH---KSDLLVADLRIFLPFTINLDPYLR	1102
WARMS		DHIP---AQDDLMLQDRNLENFEGFLDSKGIPSAERLTVGHVKKFVPCTSSLDPYLR	1042
		*.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *	

5. SAM domain

rARMS	1151	LSSMTVDVVCEKLRQIEGLDQNMMPQYCTTIKKANINGRVLSQCNIDELKKEMAMNFGDWHLFR	1214
hARMS	1151	LNSLNVDACEKLRQIEGLDQSMPLQYCTTIKKANINGRVLAQCNIDELKKEMAMNFGDWHLFR	1214
dARMS	1193	LTDLTVEGVISLLDRIEDMKP-ALPKLAPVLRENAINGRVLKHCDMPDLKSVLGLSFGHWELFR	1255
WARMS	1087	LVEMKLDVAVNLIRKIDIPSN-RLDSILDRFYQLNLCGLVLATCPLPELKDSMQLPLGDWTLIR	1149
		*.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *.: *	

FIG. 3

FIG. 7C

IP: 892
BLOT: HA



p75

FIG. 8B

LYSATES
BLOT: 9992

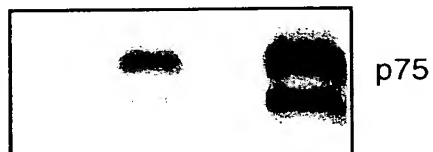


FIG. 9A

NGF: 0 10m 25h 25h

217 —

ARMS

IP: C14 IgG

217 —

ARMS

IP:

C14

IgG

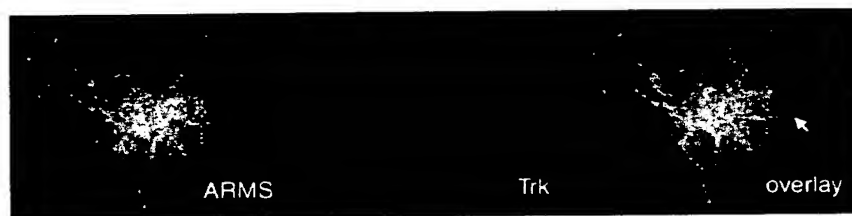


FIG. 9B

FIG. 9C

FIG. 9D

FIG. 10A

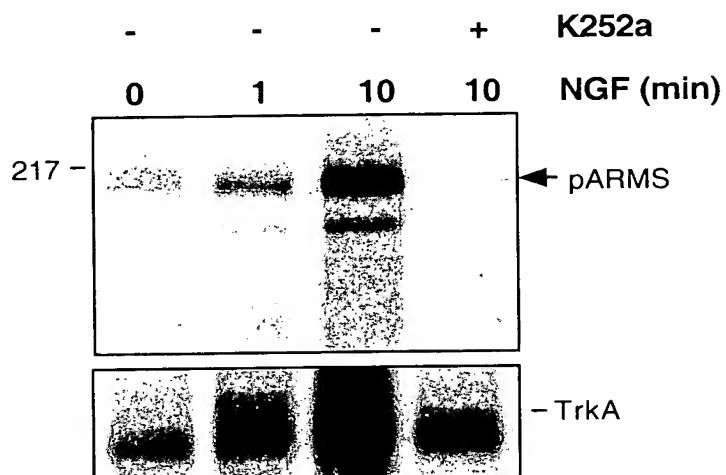
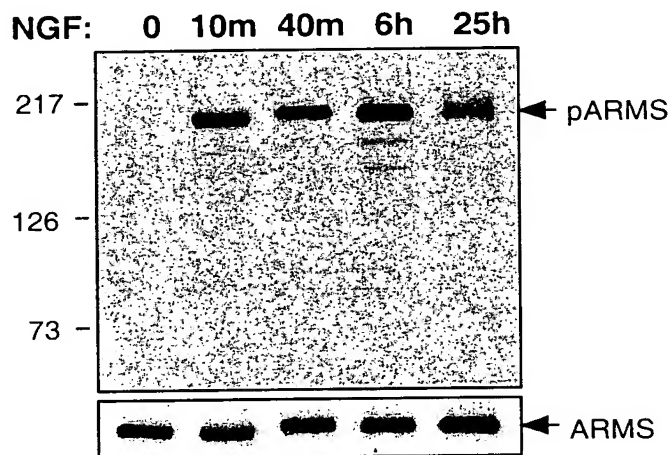


FIG. 10B



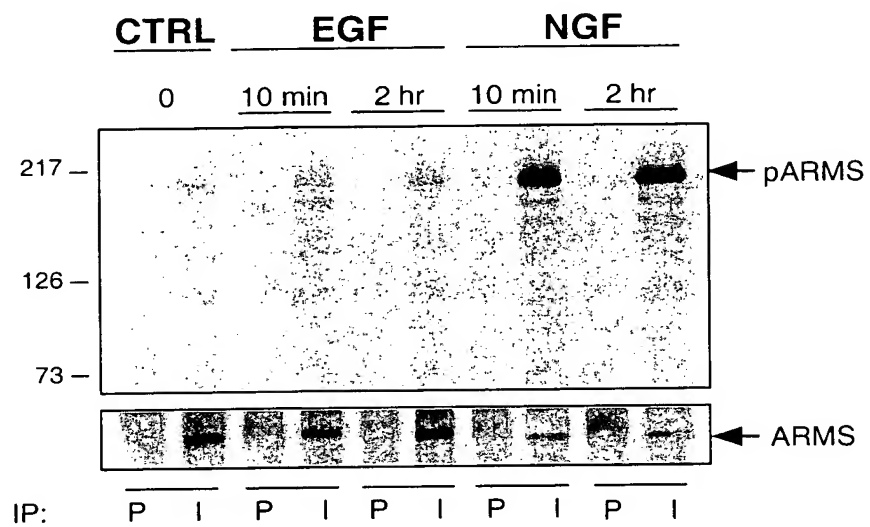
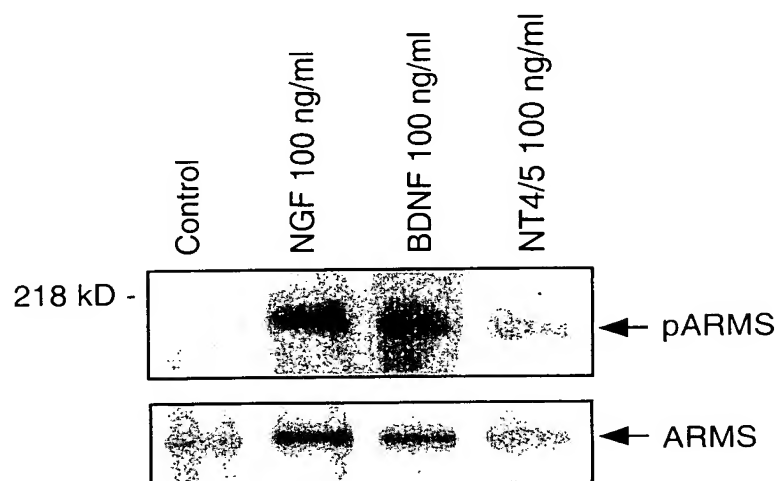


FIG. 11



IP: 892

FIG. 12

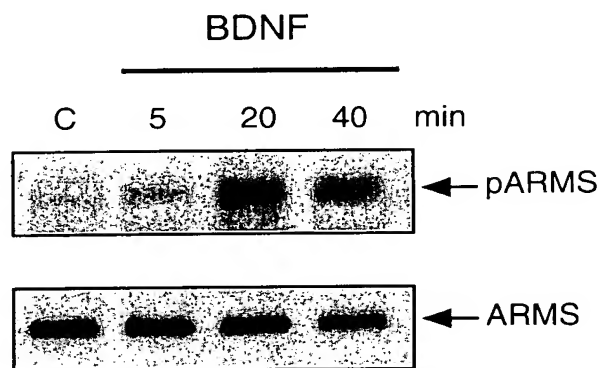


FIG. 13

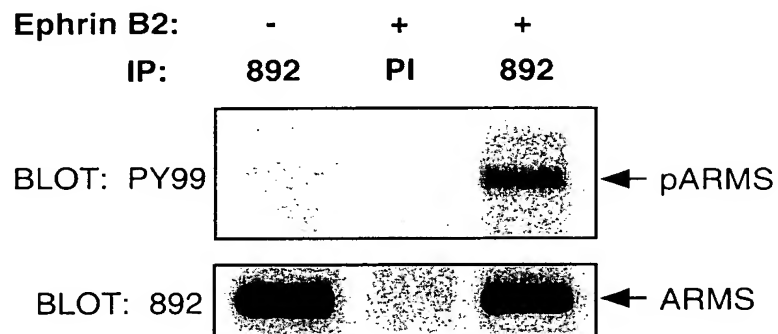


FIG. 14A

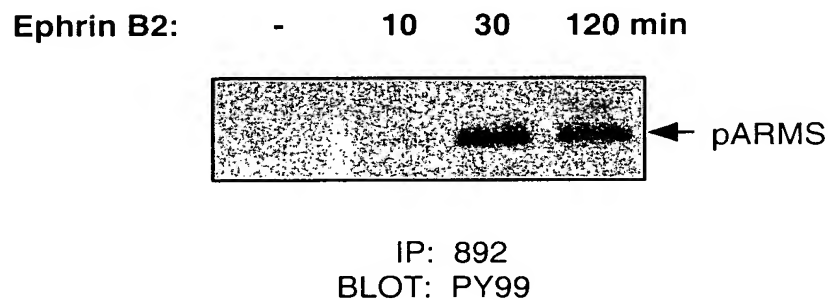


FIG. 14B

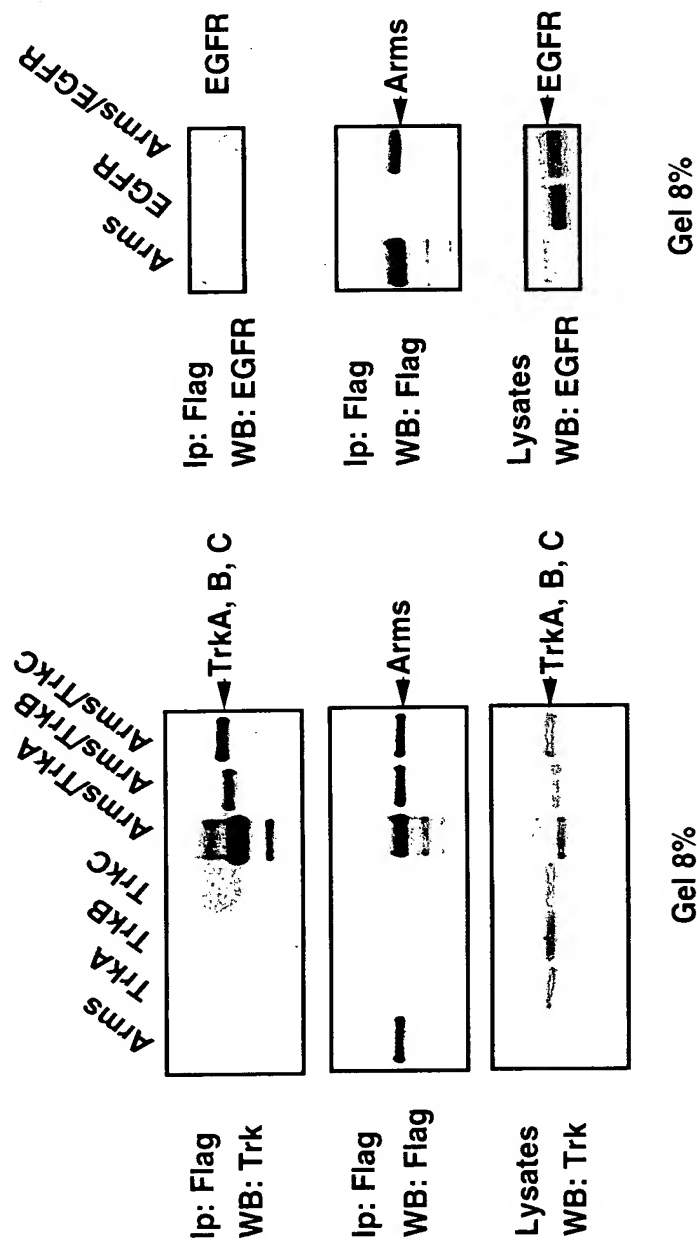


FIG. 15A

FIG. 15B

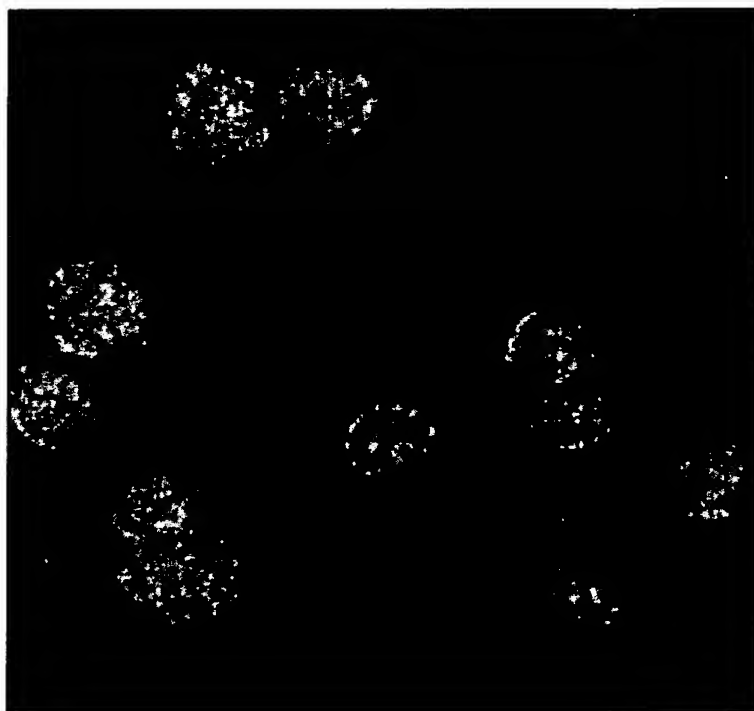


FIG. 16A

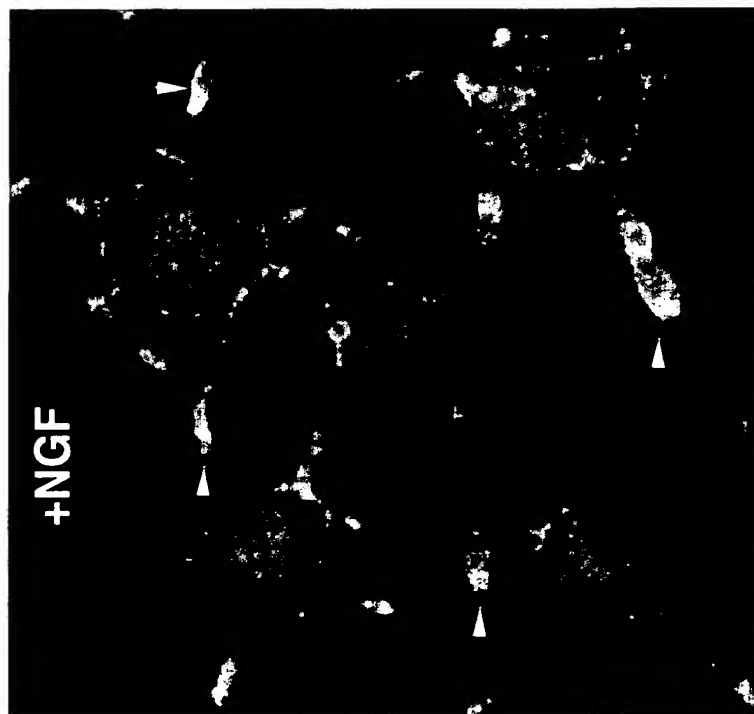


FIG. 16B

FIG. 17A

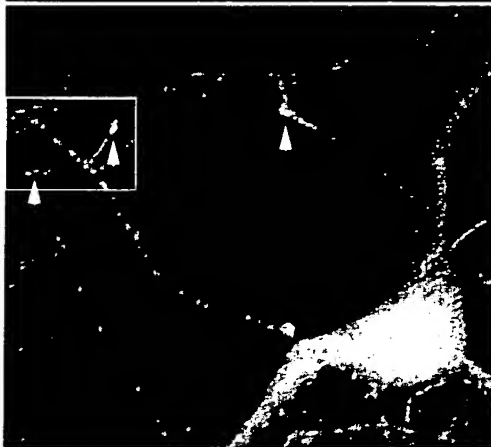


FIG. 17B

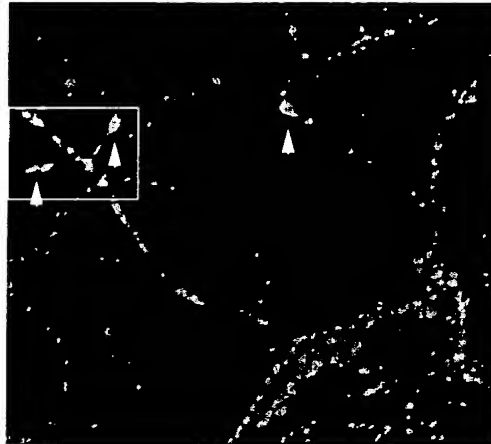
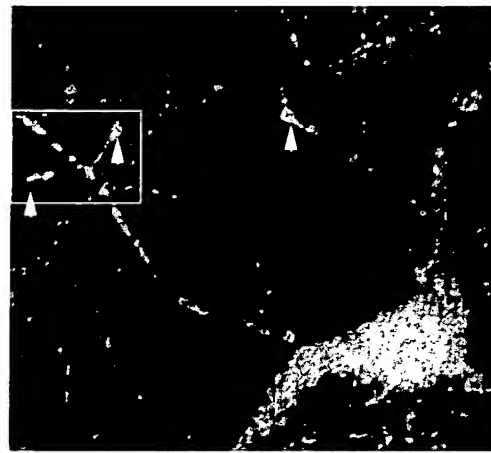


FIG. 17C



Arms

Vamp-2

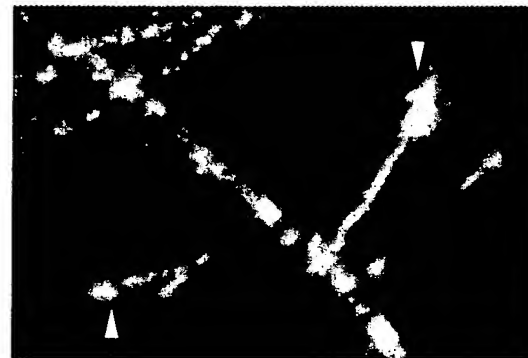


FIG. 17D

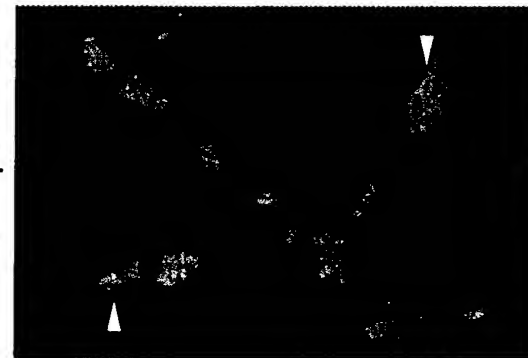


FIG. 17E

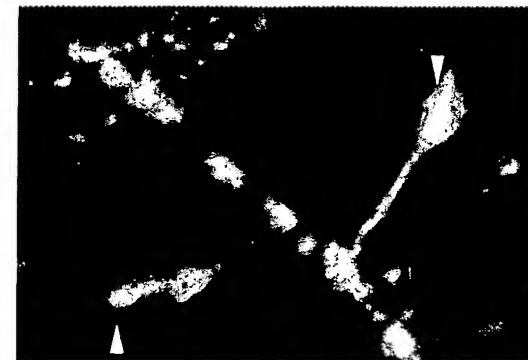


FIG. 17F

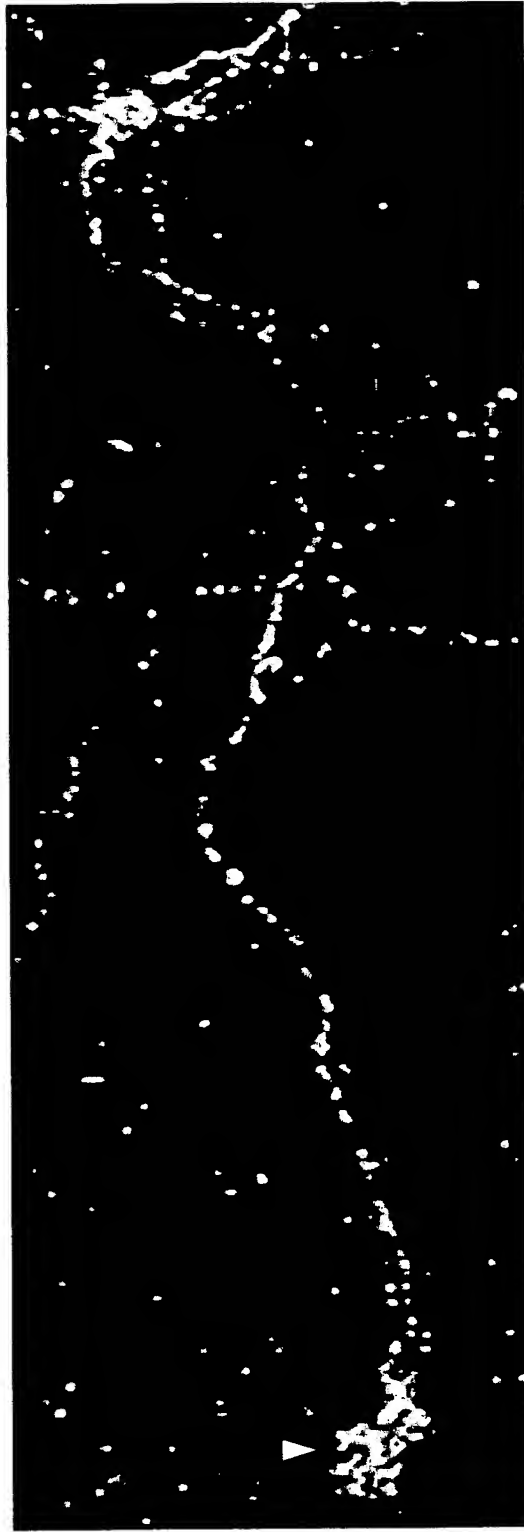
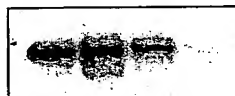


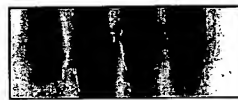
FIG. 18

Myc-GRIP 1	+	-	-	-
Myc-GRIP 2	-	+	-	-
Myc-PICK1	-	-	+	-
ARMS	+	+	+	+

WB: α ARMS



- ARMS



- ARMS

lysates

FIG.19

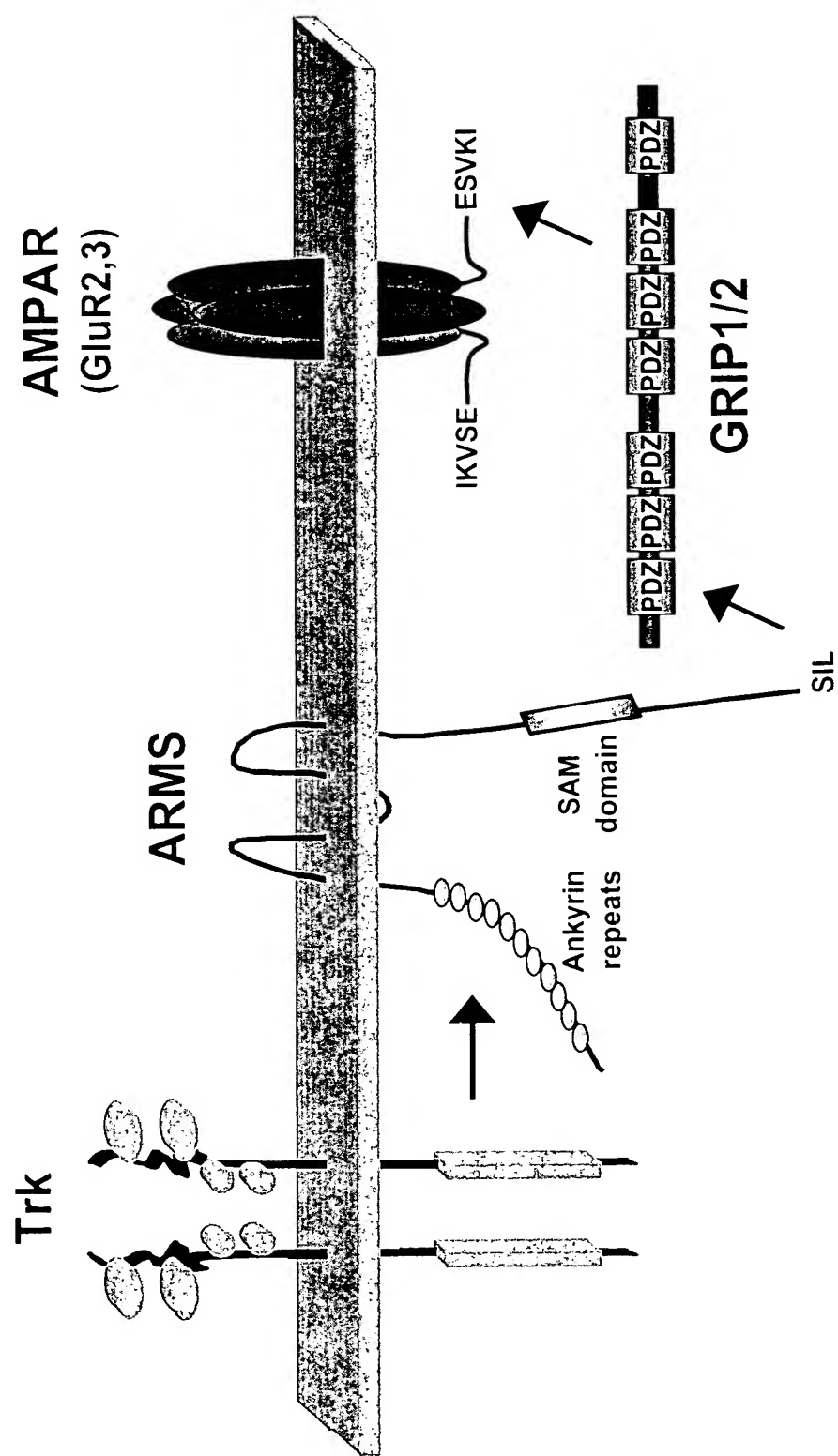


FIG. 20